# ANNUAL INDEX

## **AUTHORS**

Ackermann H, 197 Adams G, 685 Adler SC, 924 Ahrens RC, 537 Alcalde J, 173 Aleksy WL, suppl 166:263, 418 Alipour-Haghighi F, 563 Allen AA, suppl 166:180, 436 Allum-Mecklenburg DJ, suppl 166: 88, 185, 251, 254 Alper CM, 522 Altschuler RA, suppl 166:57 Amsberry JK, 585 Anderson JH, 62 Andrea M. 333 Angeli SI, 173 Arauz SL, suppl 166:75 Archbold S, suppl 166:312 Aristegui M, 57 Arnaout MA, 957 Arnold JA, 707 Arnold JE, 87 Aronson L, suppl 166:75 Ash KR, suppl 166:163, 175, 228 Au D, suppl 166:346, 358 Awasthi YC, 812 àWengen DF, 311 Aydoğan B, 864

Baert AL, 490 Baguley DM, suppl 166:275 Bailey BJ, 741 Balkany TJ, suppl 166:148 Balsara RK, 924 Barbet JP, 603 Barker EJ, suppl 166:318, 321 Barker MJ, suppl 166:269, 283 Barki Y. 409 Barnes L, 78; 84 (letter to editor) Barua P, 758 Batsakis JG, 167, 329, 496, 668, 830, Battmer R-D, suppl 166:88, 185, 251, 254, 277, 280, 285, 349, 372, 445 Bauer CA, 871 Bauman NM, 537, 963 Becconsall K, suppl 166:190 Beecher RB, 715 Beidestam G, suppl 166:287 Beijk CM, suppl 166:215 Bendet E, 248, 326 Benjamin B, 529, 963 Bent JP, 537 Berger-Vachon C, suppl 166:351 Bertram B, suppl 166:97, 332 Bhatia S. 591 Biacabe B, 516 Bianchi DA, 646 Billings KR, 899 Billings PB, 181 Birzgalis AR, 868

Bissaker KA, suppl 166:83

Black FO, suppl 165:4 Black RC, suppl 166:111 Blackwell KE, 596 Blamey PJ, suppl 166:220, 321, 324, 339, 390, 454, 456 Blondeel F, 127 Blough RR, suppl 166:51 Boey HP, 76 Bögli H, suppl 166:354 Böhmer A, 613 Bolger WE, suppl 167:7 Booth CL, suppl 166:87, 207 Borstel M, suppl 166:210 Bosl GJ, 936 Bosman AJ, suppl 166:387 Boswell JB, 542 Bowik C, 203 Bowman JM, 750 (book review) Boyd P, suppl 166:449 Boyle PJ, suppl 166:263, 356 Brager R, 695 Brasnu D, 301, 516, 905 Braverman I, 501 (letter to editor) Brazil C, suppl 166:426 Bredberg G, suppl 166:256, 287 Bretlau P, 120 Brey RH, suppl 166:187 Bricker K, suppl 166:154 Brinch JM, suppl 166:441 Brokx JPL, suppl 166:169, 196, 215 Brook I, 646 Brown BH, suppl 166:463 Brown C, suppl 166:208, 318 Brown M, suppl 166:48 Bruce I, suppl 166:346 Bunnell JB, 748 (letter to editor) Burton MJ, suppl 166:356 Busse LA, suppl 166:78 Butler-Browne GS, 603 Cafarelli Dees D, suppl 166:87, 207,

258, 272 Calcaterra TC, 596 Calder JA, 942 Caleffe-Schenck N, suppl 166:228 Canalis RF, 711 Cappellari JO, 274 Carmichael L, 502, 750 (book reviews) Carroll WR, 237 Carter PM, suppl 166:48, 141 Carter TD, suppl 166:40, 109 Casselbrant ML, 620 Castracane J, 5 Cervera-Paz FJ, suppl 166:192, 422 Cervin A, 388 Chan KH, 522 Chang M-S, suppl 166:178, 243 Charachon R, suppl 166:28 Chard LL, suppl 166:102 Chen LL, 203 Cheron F. 305

Chmiel RA, suppl 166:314, 329 Cho H. 305 Choi SS, 288 Chow JKK, suppl 166:42 Christensson B, 189 Chung M-H, suppl 166:153 Church LWP, 646 Chute PM, suppl 166:100, 260, 316 Clark GM, suppl 166 (ed):11, 22, 40, 42, 45, 54, 68, 71, 79, 109, 111, 118, 121, 124, 144, 220, 230, 233, 292, 318, 321, 324, 339, 346, 358, 361, 378, 406, 408, 409, 428, 438, 454, 456 Clark JG, suppl 166:314, 329 Clarke GP, suppl 166:165 Clawson M, 203 Cleary KR, 830, 977 Clemons JE, 808 Clopton BM, suppl 166:115, 127, 131 Coerts J, suppl 166:385 Coetzee L, suppl 166:394 Cohen LT, suppl 166:45, 409 Cohen NL, suppl 165 (ed):6, 9, 15; suppl 166:17, 149, 341, 402, 420 Cokkeser Y, 57 Conerty M, 5 Conley SF, 715 Constantinides M, 980 (book review) Cooper PG, suppl 166:463 Copin H, 603 Cormary X, suppl 166:403 Costa G, 117 Court I, suppl 166:275 Courey MS, 267 Cowan RSC, suppl 166 (ed):11, 292, 318, 339, 454, 456 Cremers CWRJ, 31 Crevier-Buchmann L, 516 Crino PB, 655 Croxson G, 529 Crysdale WS, 432 Cummings S, suppl 166:394 Cunningham MJ, 76 Cupp CL, 582 D'Agestino M, 340

D'Agestino M, 340
Dahm MC, suppl 166:277, 332, 416, 445
Dahms B, 87
Dalton C, 529
Dattolo RA, 582
Davis AC, suppl 166:245
Dawson PW, suppl 166:321
De Andrade Sobrinho J, 442
DeDonato G, 591
De Foer B, 490
Deguine O, suppl 166:403
Delaere PR, 127
Deleyiannis FW-B, 928
DelGaudio JM, 237
Delicati D, suppl 166:76

Ching T, suppl 166:151

DeLissovoy GV, suppl 166:248 Demonet JF, suppl 166:403 DeMott JE, 886 Denoyelle F, 42 Derby A, 875 Derebery MJ, 826 DeSanto LW, 675, 741, 763 deTar M, I Dettman SJ, suppl 166:321, 390 Devaney KO, 251, 587, 913 Dhooper N, 47, 812 Dias O. 333 Dickins JRE, suppl 166:240, 412 DiCostanzo D, 305 Dienes H-P. 503 Dietrich B, suppl 166:445 Di Fabio RP. 62 Dikkers FG. 698 Dillier N, suppl 166:354, 368 Dobie RA, suppl 165:6 Doden I, suppl 166:372 Dolata J. 388 Dong M, 374 Donnelly MJ, suppl 166:45, 79, 406, 409 Donovan TJ, 786 Doolin EJ, 19, 835 Dorman MF, suppl 166:223 Dowell RC, suppl 166:292, 318, 321, 324 Downes M, suppl 166:375 Doyle WJ, 522 Dray TG, 724 Duffey DC, 899 Dujardin J-M, 437 Durand H, 301

Egg G, 803 Ehrlich GD, 758 Eichel BS, 899 El-Naggar AK, 329, 496 Ertmer D, suppl 166:399 Esclamado RM, 237 Espinosa JM, suppl 166:192 Evans AR, suppl 166:137, 239 Evanson C, suppl 166:300 Everingham C, suppl 166:208, 318 Eviatar E, 736 Eyal A, 326 Eyles JA, suppl 166:263, 356

Facer GW, suppl 166:187 Fadlallah J-P, 301 Faibel M, 248 Faro SH, 405 Farrington WT, 868 Feinmesser R, 294 Fennessy JJ, 955 Ferlito A, 78; 84 (letter to editor); 251, 413, 587, 741, 913 Ficco A, 90 Fine ED, 87 Fisch U, 613 Fisher AR, suppl 166:48 Fisher SG, suppl 165:15 Fliss DM, 164, 409 Forsgren J, 189

Forsgren K, 350 Fossion E. 490 Franco EL. 442 Frank DK, 305 Frauenhoffer EE, 668 Fraysse B, suppl 166:403 Freeman R. suppl 166:314 Freundlich B, 90 Friedmann I, 84, 749 (letters to editor) Froehlich P. 738 Frolenkov GI, suppl 166:181 Fu Y-S, 596 Fujino K, suppl 166:425 Fujiwara Y, 574 Fukami M, 350 Fukuzawa K, 210 Funasaka S, suppl 166:265 Furman JM, 620 Fyler A, 845 Gacek RR, 256 (obituary); 381 Gaffney R, 432 Gallego S, suppl 166:351

Galvin KL, suppl 166:318, 339, 454, 456 Game CJA, suppl 166:93 Ganbo T, 231 Gantz BJ, suppl 166:268 Gapany M, 685 Garabedian E-N, 42 Garcia D, 905 Garcia de Quevedo S, suppl 166:403 Garcia-Tapia R, suppl 166:422 Gardner GM, 5, 267 Gautier A-L, 905 Gazit D, 783 Geers AE, suppl 166:20, 328 Geisinger KR, 274 George CR, suppl 166:87, 207, 258, 272 Gerhardt HJ, suppl 166:198 Getchell ML, 47, 812 Getchell TV, 47, 812 Gibki SJ, suppl 166:83 Gibson WPR, suppl 166:208, 217, 318, 414 Gilden JE, suppl 166:78 Giuliano A, 117 Gnadeberg D, suppl 166:251, 254, 277, 349, 372 Go JT, suppl 166:64 Goepfert H, 329 Golding-Wood D, 476 Gomolin R, suppl 166:341 Gomori M, 665 Goode RL, 311 Graamans K, 798 Graham SS, suppl 166:240, 412 Gravel JS, suppl 166:260 Gray RF, suppl 166:275 Gray SD, 13 Green JD Jr, suppl 166:51 Greenberg B, 655 Greinwald JH Jr. 133 Greven KM, 274 Grevers G, 144 Groenewald E, suppl 166:394

Grogan ML, suppl 166:390 Grote JJ, 226 Gupta SP, suppl 166:185 Guyot J-P, 381 Gwaltney JM Jr, suppl 167:22 Hancke NP, suppl 166:87, 207, 258, Hagen R, 317 Haggerty PG, 133 Hain TC, suppl 166:342 Halimi P, 905 Hammond E, 13 Hannallah M, 695 Hanson DF, 13 Hanson DG, 340, 550 Hanson W, 823 Hardin NJ, 724 Harris JP, 69, 181 Harrison DFN, 741 Harrison JM, suppl 166:378 Harrison LB, 936 Hart MJ, 105 Hartley C, suppl 166:201, 449; 868 Hartley RH, 868 Hartmann R, suppl 166:113 Hartmann S, suppl 166:166, 210 Hartrampf R, suppl 166:277, 280, 332, 416, 445 Hassanzadeh S, suppl 166:282 Haughey BH, 419 Häutle K, suppl 166:349, 372 Hazell JWP, suppl 166:418 Heffernan JT, suppl 166:426 Heffner DK, 258 (letter to editor); 639 Hellström S, 625 Hermans R. 127, 490 Herranz J, 358 Herridge S, suppl 166:208 Hertrich I, 197 Hertzanu Y, 409 Herzon G, 340 Hesseling SC, 226 Hetherington HE, 845 Hibbs MS, 203 Highet M, suppl 166:436 Hill WD, 655 Hillman DE, suppl 166:64 Hillman RE, 511 Hinni M, 503 Hinojosa R, suppl 166:51 Hirano M, 138, 556, 839 Hirata Y, 574 Hisamatsu K, 231 Hisashi K, 149 Hodges AV, suppl 166:148 Hodgson S-A, suppl 166:102 Hoffman HT, 173, 871 Hoffman RA, suppl 166:341, 420 Hokimoto T, suppl 166:156 Holden LK, suppl 166:307 Holden TA, suppl 166:307 Holinger PH, 751 Hollow RD, suppl 166:292 Hong S, 895 Honjo I, suppl 166:60, 298, 425; 776 Horowitz S, 858

Hotaling AJ, 282 Hsu M-M, 453 Huang J, suppl 166:30 Huang T-S, suppl 166:294; 748 (letter to editor) Huarte A, suppl 166:192 Hugo R, suppl 166:394 Hui Y. 432 Huigen JM, suppl 166:378 Huizing EH, 798 Huizinga E, 259 Huo J. 279 Hussain SSM, suppl 166:430 Hussl B, 803 Hutta J, 155 Huygen PLM, 31 Hwang E, 895 Hyde M, suppl 166:19

Iaccarino F, 117
Ifukube T, suppl 166:156
Imai A, 493
Imamura T, suppl 166:156
Inokuchi A, 149
Inoue H, 231
Inoue Y, 456
Irlicht L, suppl 166:346, 358, 361
Isaacson G, 924
Isaacson JE, 974
Ishizu K, suppl 166:60
Ito J, suppl 166:298, 425

Jabri MA, suppl 166:381 Jacobson GP, 718, 942 Jamal MN, 957 Janis JF, 808 Jarrar R, 957 Jaszcz W. 685 Jenkins HA, suppl 165:6; suppl 166: 314, 329 Jeon S, 895 Jerger J, suppl 166:314 Jiang J, 340 Jin CS, 394 Johnson DL, 288 Johnson JC, suppl 166:342 Johnson JT, 85 (letter to editor); 758 Johnston KC, 751 Jolly CN, suppl 166:131 Jones J, 707 Jones JG, suppl 167:22 Jones PA, suppl 166:363 Jordan HN, suppl 165:31 Jordan JA, 758 Jorgensen SK, suppl 166:329

Kahrilas PJ, 550 Kaise T, 969 Kamargakis WN, 144 Kamel PL, 550 Kaneko T, 633 Kaplan DM, 164 Karmarkar S, 591 Kavanagh KT, 488 Kawabata I, 793 Kawaguchi S, 394

Jouffre V, 905

Kawano A, suppl 166:54 Kawano M, suppl 166:60, 298 Keith RL, 763 Keithley EM, 181, 858 Kelly KE, 582 Kelsall DC, suppl 166:228 Kennedy DW, suppl 167 (ed):4, 7, 17, 22, 31 Kerr AIG, suppl 166:443 Kessler A, 736 Kessler DK, suppl 166:269, 283, 290, Kevorkian KF, 711 Keyes JW Jr, 274 Khan S, suppl 166:190, 430 Kim C, suppl 166:178 Kim H-N, suppl 166:153, 178, 243 Kim K-M, suppl 166:243 Kim N. 895 Kimitsuki T. 149 Kimura RS, 155, 886 King A, suppl 166:318 Kirchner JA, 770 Kirk KI, suppl 166:300, 334, 399 Klatsky I, 279 Klinke R, suppl 166:113 Klotch DW, 246 Knapp D, 685 Koba R, 218, 793 Kobayashi T, 149 Koch B, 323 Koide C, 493 Kokoska MS, 419 Komiyama S, 149 Komune S, 149 Kong W, 803 Konior RJ, 448 Konno A, 633, 730 Kowalski LP, 442 Kramer M, 537 Kraus DH, 936 Kraus M, 409 Krempl GA, 704 Kretschmer RE, suppl 166:316 Kronenberg J, 248, 326 Kubo T, 210 Kuhn JJ, 646 Kumlien J, 350 Kurata T, 574 Kurokawa H, 311 Kuzma J, suppl 166:402

LaBruna A, 279
Lacau St Guily J, 603
Laccourreye H, 516
Laccourreye O, 301, 516, 905
Lai WK, suppl 166:354, 368
Laine F, 974
Lamprecht-Dinnesen A, suppl 166:166, 210
Langereis MC, suppl 166:365, 387
Langford L, 167
Langman AW, suppl 166:426
Lanza DC, 90
Laszig R, suppl 166:28

Laurikainen E, 476

LaVelle WE, 845

Lawson G, 437 Lee E-H, suppl 166:243 Lee P. 875 Lee VM-Y, 655 Lehman J. 532 Lehnhardt E, suppl 166:434 Lehnhardt M, suppl 166:239 Leiberman A, 164, 409 Leisenberg M, suppl 166:370, 375 Lenarz T, suppl 166:88, 185, 251, 254, 277, 280, 285, 332, 349, 372, 416, 445 Leonetti JP, 448 Lerner DN, 288 Lesinski A, suppl 166:332 Leventon G, 248 Levine B, 90 Levy D, 369 Lillehei KO, 105 Lin K-L, 453 Lindberg S, 388 Lindström B, suppl 166:256, 287 Lippert KL, suppl 166:159 Lithgow BJ, suppl 166:118 Liu S-Y, suppl 166:294 Liu Z, 127 Livingston F, suppl 166:154 Llorente JL, 358 Lo WWM, 826 Loeb GE, suppl 166:283, 290 Lowenstein W, 301 Ludlow CL, 928 Luna MA, 329, 496 Lund VJ, suppl 167:17 Luntz M, 369 Lutman ME, suppl 166:312, 397 Lyon MJ, 381 Lyons TJ, 868

Mack KF, suppl 166:79 Maddox HE, suppl 166:78 Maffi CL, suppl 166:109 Magardino TM, suppl 166:64 Magnin C, 381 Magnuson K, 625 Magotra N, suppl 166:154 Maillet CJ, suppl 165:31 Maione F, 117 Maly PV, 501 (letter to editor) Mandel EM, 620 Mangham CA Jr, 748 (letter to editor) Mann EA, 203 Mann WJ, 503 Manrique M, suppl 166:192, 422 Marangos N, suppl 166:28 Marciano T, suppl 166:83 Marks S, 715 Marra S. 448 Marres EHMA, 31 Marres HAM, 31 Marshak G, 294 Marshall DH, suppl 166:105, 245, 312 Marten S. 317 Martens U, suppl 166:349 Martin DS, 161 Martin JA, 655 Martínez JA, 358

Marzo SJ, 282 Maschka DA, 808 Matsuda K. 149 Matsushima J, suppl 166:156 Matthias C, 853 Mattsson C, 625 McAnally KI, suppl 166:111 McArdle M, 750 (book review) McCaughey JD, suppl 166:16 McConkey Robbins A, suppl 166:399 McCreery DB, suppl 166:30, 31 McDermott HJ, suppl 166:139, 230, McEwan E, suppl 166:436 McGinn-Brunelli T, suppl 166:306 McGuirt WF, 274 McKay CM, suppl 166:230 McKinney CJ, suppl 166:418 Mehta JB, 162 Mens LHM, suppl 166:169, 196 Mercke U, 388 Mesolella M, 117 Mets MB, suppl 166:342 Millar JB, suppl 166:363 Millard R, suppl 166:454 Miller AL, suppl 166:127 Miller JM, 476; suppl 166:57 Miller RH, 946 Mills A, suppl 166:385 Milroy CM, 78, 413 Min YB, 563 Min Y-G, 895 Miranda I, suppl 166:192 Mironova EV, suppl 166:181 Miyajima Y, 678 Miyamoto RT, suppl 166:334 Moatti L, 42 Mobley JP, suppl 166:30, 31 Molina M, suppl 166:192 Møller AR, 399 Mondain M, suppl 166:212 Montgomery WW, 511 Moore JK, suppl 166:30, 31 Moran CA, suppl 166:102 Morgon A, suppl 166:351; 738 Morimatsu M, 678 Morris DJ, suppl 166:127 Morris R, suppl 166:461 Motosugi H, 730 Moussa SA, suppl 166:443 Müller-Deile J, suppl 166:303 Murakami S, 574 Murakami Y, 231 Myer CM III, 323

Nagata H, 730 Nageris B, 783 Naguib M, 57 Naito E, 776 Naito Y, suppl 166:60; 776 Nakagawa T, 149 Nakajima T, 231 Nakano R, 678 Namon AJ, 910 Nedzelski JM, suppl 166:194 Nejime Y, suppl 166:156

Myers EN, 85 (letter to editor)

Nelson SR, 62 Nesbit GM, 582 Nevins ME, suppl 166:100 Newall P, suppl 166:151 Newman CW, 718, 942 Nicklaus P, 24; 749 (letter to editor) Nichans GA, 685 Nienhuys TG, 542 Niggemann-Simon G, suppl 166:166 Nikkels PGJ, 698 Niparko JK, suppl 165:15; suppl 166: 248 Nishida H, 456 Nishihara S. 311 Nishimura K, 776 Nomoto M, 730 Nomura Y, 484 Noorily AD, 704 Norré ME, 570 Numata T. 633 Nuttall AL, 476 Nygard TM, suppl 166:48

Okada M, 456
Okazawa H, suppl 166:60
Okumura T, suppl 166:425
O'Leary SJ, suppl 166:421, 124
Olsen KD, 100, 763
Osberger MJ, suppl 166:334, 337, 399
Ossoff RH, 267
O'Sullivan R, suppl 166:79
Otto S, suppl 166:36
Ozdamar S, suppl 166:341
Özsahinoglu C, 864

Pages J-C, 301 Palmer FR III, 850 Paloma V, suppl 166:422 Panje WR, 845 Pankratov MM, 919 Pappas DG, 172, 332, 502, 590, 673, 674, 750, 834 (book reviews) Parisi ES, suppl 166:220 Parisier SC, suppl 166:316 Parnes LS, 823 Parnes SM, 5 Patrick JF, suppl 166:137 Penttilä M, 350 Perez N, suppl 166:192 Périé S, 603 Perrault DF Jr, 919 Perry A, 85 (letter to editor) Perry WC, 763 Peterson AM, suppl 166:187 Pfingst BE, suppl 166:127, 131 Pfister DG, 936 Phillips PP, 100 Piccirillo JF, 419 Pijl S, suppl 166:224 Pisoni DB, suppl 166:300 Plant K, suppl 166:378 Poje CP, 405 Pollak A, 613 Popp AL, suppl 166:260, 316 Portillo F, suppl 166:31 Post JC, 758 Pou AM, 758

Prescott CAJ, 653 Pribitkin EA, 585 Purdy SC, suppl 166:102 Pyman BC, suppl 166:54, 79, 292, 406, 408, 428

Queen TA, 850 Quigley SM, suppl 166:426 Quinn SJ, suppl 166:275 Qvortrup K, 120

Raine CH, suppl 166:190, 430 Rajagopalan S, suppl 166:154 Rama Krishna NS, 47, 812 Ramsden RT, suppl 166:28, 201, 449 Rao VM, 585 Raslan W, 448 Redleaf MI, suppl 166:51; 955 Reich DS, 364 Reid J, suppl 166:212 Reiss G, suppl 166:434 Remacle M, 437 Remond J, 738 Ren T-Y, 476 Rennie M, suppl 166:208 Resnick JM, 685 Rice DH, 1 Rice JC, suppl 166:83 Richardson BL, suppl 166:458 Riding KH, suppl 166:76 Rimell FL, 758 Rinaldo A, 587 Ro JY, 668 Robbins AM, suppl 166:334 Roberts GR, suppl 166:201 Rodenhiser KL, suppl 166:131 Rodrigo JP, 358 Roger G, 42 Rogowski M, suppl 166:434 Rohe DE, 763 Roland JT Jr, suppl 166:64 Rollvén B, suppl 166:287 Romani N. 803 Rosenmann E, 501 (letter to editor) Rost U, suppl 166:88, 254, 277, 280 Rostgaard J, 120 Rothman ML, suppl 166:248 Roufa DG, 875 Rubenstein E, 620 Ruckenstein MJ, 858 Rudert H, suppl 166:303 Ruiz De Erenchun I, suppl 166:422 Rupp KA, 942 Russo A. 591 Rynnel-Dagöö B, 189

Saah D, 665 Sabo G, 532 Sabo R, 532 Sade J, 369 Sadov R, 532 Saeed SR, suppl 166:449 Saito R, 463 Sakagami M, 210 Sakaguchi Y, 776 Sakai N, suppl 166:156 Sakakura Y, 394, 969 Sakashita T, 469

Saleh E, 57, 591 Salt AN, 886 Sandford MD, suppl 166:165 Sando I, 469 Sanli H, suppl 166:93 Sanna M, 57, 591 Santogrossi T, suppl 166:146 Santos A, 333 Santos MC, 835 Sarant JZ, suppl 166:318, 339, 454, 456 Sato K, 138, 556, 839 Satoh Y, 493 Saunders JE, 826 Schindler RA, suppl 166:269 Schmidt BJ, suppl 166:303 Schmidt DM, 711 Schrott-Fischer A, 803 Schuil PJ, 798 Schulman JH, suppl 166:85 Schulz GM, 928 Schwab B, 317 Schwartzman JA, suppl 166:431 Sciot R, 490 Sciote JJ, 237 Sclafani AP, 305 Scott M, suppl 166:79 Seeger T, suppl 166:239 Segal K, 294 Segal S, 736 Seldon HL, suppl 166:42, 54, 79 Seligman PM, suppl 166:139, 141, 172, 318, 363 Sercarz JA, 711, 899 Scroky JT, 522 Sessions RB, 425 Setia RN, suppl 166:430 Shah JP, 936 Shakes Bed RK, suppl 166:83 Shallop JK, suppl 166:163, 175, 228, Shannon RV, suppl 166:235 Shapiro W, suppl 166:177, 341 Shapshay SM, 919 Shaw S, suppl 166:318 Shepherd RK, suppl 166:40, 48, 68, 71, 109, 111 Shepherd VA, 942 Sheridan C, suppl 166:87, 207, 258, Shim Y-J, suppl 166:153, 178, 243 Shimomura S. 231 Shindo ML, 1 Shiomi Y, 776 Shipp DB, suppl 166:194 Shiroma M, suppl 166:265 Shoemaker DL, 758 Shoshan Y, 665 Shpitzer T. 294 Shulman H, 164 Shun Z, 610 Shute SA, suppl 166:40 Sichel J-Y, 665 Siemes H, 853

Silberman B, 42

Sillers MJ, 834 (book review)

Silver CE, 78, 251 Silverman PM, 425 Simpson LC, 86 (book review) Sinard RJ, 662 Singh RS, suppl 166:180, 432, 436 Skinner MW, suppl 166:307 Skok MC, suppl 166:292, 318 Smith RJH, 173, 537 Smits WL, 537 Smoorenburg GF, suppl 166:196, 365, 387 Snik AFM, 297 Sofferman RA, 724 Sollmann WP, suppl 166:28 Sommers MS, suppl 166:300 Sood RK, suppl 166:180, 436 Sorresso DJ, 162 Southgate J, suppl 166:370 Soylu L, 864 Soylu M, 864 Sparks DL, 47 Spector JG, 875 Spelman FA, suppl 166:115, 127, 131 Spiro JD, 203 Spiro RH, 936 Spycher M, 613 Stack BC Jr, 246 Staller S, suppl 166:36 Stammberger HR, suppl 167:7 Steinberg T, suppl 166:208 Stern Y, 294 Stevens JC, suppl 166:463 Stevenson F, suppl 166:258 Stewart J, suppl 166:154 Stierna P, 350 Stith JA, 161 Stone RE, 267 Strande L, 19, 835 Strauss M, 532 Strauss S, 736 Strauß-Schier A, suppl 166:88, 254, 277, 280 Strong EW, 936 Stucky J, suppl 166:447 Sturgis EM, 946 Stürzebecher E, suppl 166:198 Suárez C, 358 Sugita T. 574 Summerfield AQ, suppl 166:105, 245 Summers IR, suppl 166:463 Sundgren PC, 501 (letter to editor) Suzuki H. 633 Suzuki M, 69 Swanson BA, suppl 166:48, 141 Swarts JD, 522 Symmons MA, suppl 166:458 Szczepaniak WS, 399 Taibah A, 591 Tait DM, suppl 166:397

Takagi A, suppl 166:298, 425 Takahashi H, suppl 166:60, 298, 425; 776 Takeuchi Y, 633 Tanaka Y. 456 Tavartkiladze GA, suppl 166:181

Tavill MA, 405 Ten Berge M, 798 Terada N, 730 Terstegge K, 853 Testa B, 117 Testa D, 117 Thomas JS, suppl 166:91 Thompson DH, 646 Tilanus SC, 297 Tillner WD, suppl 166:79 Titze IR, 563 Tiebbes GJM, 226 Tobey EA, suppl 166:328, 456 Todd SL, suppl 166:334 Toljanic J, 845 Tomiyama S, 210 Tong YC, suppl 166:121, 124 Treaba CG, suppl 166:438 Trehey JA, 155 Trojanowski JQ, 655 Troost T, 425, 695 Truy E, suppl 166:351 Tykocinski M, suppl 166:48, 68, 71 Tyler RS, suppl 165:25, 31; suppl 166: Uhlman D, 685

Ukai K, 394, 969

Umemoto M, 210

Uno Y, 463 Uziel A, suppl 166:212, 403 Vainio M, suppl 166:287 Valentino J. 871 Vanat Z, suppl 166:275 Van Blitterswijk CA, 226 Vandali AE, suppl 166:378 Van Damme B, 127 Van Den Bogaert W, 127 van den Borne S, suppl 166:215 van den Broek P, suppl 166:169, 196, 215 Van Derlinde M, suppl 166:394 van Dijk JE, suppl 166:196, 365 Van Gelder JME, 798 van Hoesel RJM, suppl 166:144, 233 van Olphen AF, suppl 166:196, 365, 387 van Stenis D, 297 Varvares MA, 511 Ved S, 695 Vermeulen AM, suppl 166:215 Volk M. 919 von Wallenberg EL, suppl 166:372, 441

Wagner H, suppl 166:198 Wagner RL, 85 (letter to editor) Waguespack RW, 673 (book review) Waltzman SB, suppl 165 (ed):9, 15, 19; suppl 166:177, 341 Wang N-M, suppl 166:294 Wang RJ, suppl 166:381 Wang XZ, 203 Wang Z, 919 Ward RF, 707 Wardrop P, suppl 166:443 Waring MD, suppl 166:33

Waters CL, 646 Watson NE Jr. 274 Webb RL, suppl 166:408 Weber AL, 76 Weber BP, suppl 166:416, 445 Weinstein G, 516 Weiss MH, 279 Welkoborsky H-J, 503 Welling DB, 662 Wenig BM, 84 (letter to editor); 78, 639 Werbs M, suppl 166:198 West RE, suppl 166:447 Weston SC, suppl 165:19 Wetmore RF, 405 Wharton JA, 718 Whitelaw R, suppl 166:180, 436 Whitford LA, suppl 166:172, 318

Williams DW III, 274
Williams GH, 974
Wilson JF, 133
Witiak D, 585
Wolf M, 248
Woodworth G, suppl 166:268
Woolford TJ, suppl 166:201, 449
Wyatt JR, suppl 166:248

Xu J, suppl 166:409, 438 Xu S-A, suppl 166:409, 438 Xuan W, 374

Yamamoto Y, 493 Yamashita T, 928 Yanagihara N, 574 Yaremko RL, suppl 166:217 Yonekura Y, suppl 166:60 Yoon J-S, suppl 166:153 Youkilis RA, 323 Young M, suppl 166:300 Young NM, suppl 166:342 Young Y-H, 453, 484 Yukawa K, suppl 166:265

Zalzal GH, 288
Zaretsky LS, 1
Zeiberg AS, 425
Zeitels SM, 770
Zelefsky M, 936
Zeman RK, 425
Zeng F-G, suppl 166:235
Zhang K, 610
Zhang K-X, 603
Zilberman Y, suppl 166:146
Zohar Y, 532
Zorowka PG, suppl 166:159
Zwislocki JJ, suppl 166:12
Zwolan TA, suppl 166:127

## SUBJECTS

Aborigines

Wiatrak BJ, 364

Wigney D, suppl 166:151

Onset of otitis media in first eight weeks of life in Aboriginal and non-Aboriginal Australian infants, 542

Abscess

Peritonsillar abscess: unlikely cause of necrotizing fasciitis, 133

Acknowledgment of Reviewers, 170

Adenitis

Mycobacterial cervical adenitis, 409

Adenoi

In situ analysis of immune microenvironment of adenoid in children with and without secretory otitis media, 189

Adenoma

Are papillary adenomas endolymphatic sac tumors? 613 Recurrent pleomorphic adenoma of parotid gland: report of 126 cases and review of literature, 100

Adenomatoid hamartoma

Respiratory epithelial adenomatoid hamartomas of sinonasal tract and nasopharynx: clinicopathologic study of 31 cases, 639

Acration

Middle ear gas composition and middle ear aeration, 369

Aging

Age-related changes of macula flava of human vocal fold, 839

Air cell

Sinus within sinus: mammoth extramural ethmoid air cell, 161

Airway

Airway complications of jet ventilation in neonates, 24
Airway measurement using morphometric analysis, 835
Cyclic adeaosine monophosphate stimulation of mucociliary

activity in upper airways in vivo, 388

Nasotracheal airway-oropharyngeal alimentary canal: microvascular technique for reconstruction of upper airway after total laryngectomy, 317

Trade-off between airway resistance and optical resolution in pediatric rigid bronchoscopy, 282

Upper airway obstruction in Sturge-Weber and Klippel-Trenaunay-Weber syndromes, 364 Allergy

Effect of histamine on nasal epithelial permeability to horseradish peroxidase in allergic guinea pigs, 394

Role of capsaicin-sensitive trigeminal nerves in development of hyperreactive nasal symptoms in guinea pig model of nasal allergy, 730

Anatomy

Lower skull base: anatomic study with surgical implications, 57

Angiogenesis

Angiogenesis as prognostic marker in early head and neck cancer, 724

Angiomatosis

Bacillary angiomatosis, 668

**Annals Classics** 

Endoscopic surgery of Zenker's diverticula. Experience with Dohlman technique, 751

On esophagoscopy and sword-swallowing, 259

Anomaly

Pharyngeal and pharyngolaryngeal bands: report of unusual combination of congenital anomalies, 653

Antigen

Evidence linking 68 kilodalton antigen identified in progressive sensorineural hearing loss patient sera with heat shock protein 70, 181

Antireflux therapy

Outcomes of antireflux therapy for treatment of chronic laryngitis, 550

Aqueduc

Degeneration of vestibular sensory cells caused by ablation of vestibular aqueduct in gerbil ear, 155

Artery

Innominate artery compression of trachea: diagnosis and treatment by anterior suspension, 924

Aryepiglottoplasty

Laser aryepiglottoplasty for treatment of neurasthenic laryngomalacia in cerebral palsy, 432

Astrocytoma

Intranasal astrocytoma, 665

Atypical myosin heavy chain

Atypical myosin heavy chain in rat laryngeal muscle, 237

Audiometry

Hearing loss in Behçet's disease, 864

Otoacoustic emission measurements in evaluation of immediate effect of ventilation tube insertion in children, 297

Augmentation

Gore-Tex for nasal augmentation: recent series and review of literature. 850

Long-term result of vocal cord augmentation with autogenous fat. 871

Australia

Onset of otitis media in first eight weeks of life in Aboriginal and non-Aboriginal Australian infants, 542

Autologous fat injection

Autologous fat injection for vocal fold paralysis: long-term histologic evaluation, 1

Bacillary angiomatosis, 668

Baclofen

Effects of L-baclofen and D-baclofen on auditory system: study of click-evoked potentials from inferior colliculus in rat. 399

Bacteria

Quantitative bacteriology of tonsils removed from children with tonsillitis hypertrophy and recurrent tonsillitis with and without hypertrophy, 646

Balance

Effect of otitis media on vestibular system in children, 620

Band

Pharyngeal and pharyngolaryngeal bands: report of unusual combination of congenital anomalies, 653

Behçet's disease

Hearing loss in Behçet's disease, 864

Benign lesions

Benign lesions of vocal folds: histopathology and phonotrauma, 698

Benign pathologic response

Benign pathologic responses of larynx, 13

Blood flow

Hydrops-induced changes in cochlear blood flow, 476

Bone

Bilateral extra-articular condylar neck fracture, 905

Bone resorption in human cholesteatoma: morphological study with scanning electron microscopy, 463

Oral squamous cell carcinoma and mandible, 977

Book Reviews

Bailey BJ, Johnson JJ, Kohut RI, Pillsbury HC III, Tardy ME, eds. Head and Neck Surgery—Otolaryngology, 502

Benjamin B, Bingham B, Hawke M, Stammberger H. A Color Atlas of Otorhinolaryngology, 674

Bluestone CD, Stool SE, eds. Atlas of Pediatric Otolaryngology, 834

Dobie RA. Medical-Legal Evaluation of Hearing Loss, 332 Fior R, Pestalozza G, eds. The Child and the Environment —

Present and Future Trends, 172
Fraysee BG, Deguine O, eds. Cochlear Implants: New Perspectives, 502

Gates GA, ed. Current Therapy in Otolaryngology—Head and Neck Surgery, 172

Harrison D, Lund VJ. Tumours of the Upper Jaw, 590

Karnell MP. Videoendoscopy: From Velopharynx to Larynx, 673 Levine HL, May M. Endoscopic Sinus Surgery, 332

Lillie JH, Bauer BA. Sectional Anatomy of the Head and Neck. 673

Linthicum FH Jr, Schwartzman JA. An Atlas of Micropathology of the Temporal Bone, 834

McCord CD, Jr, Tannenbaum M, Nunery W, eds. Oculoplastic Surgery, 982

Nakano Y, ed. Cholesteatoma and Mastoid Surgery, 590

Naumann HH. Differential Diagnosis in Otorhinolaryngology, 750

Sataloff RT. Embryology and Anomalies of the Facial Nerve and Their Surgical Implications, 86

Soutar DS, Tiwari R, eds. Excision and Reconstruction in Head and Neck Cancer, 673

Togawa K, Katayama S, Hishikawa Y, Ohta Y, Horie T, eds. Sleep Apnea and Rhonchopathy, 172

Tysinger JW. Résumés and Personal Statements for Health Professionals, 750

Valente M. Strategies for Selecting and Verifying Hearing Aid Fittings, 750

Bromodeoxyuridine

Epidermal cell migration and healing of tympanic membrane: immunohistochemical study of cell proliferation using bromodeoxyuridine labeling, 218

Bronchoscopy

Pneumomediastinum after rigid bronchoscopy, 955

Trade-off between airway resistance and optical resolution in pediatric rigid bronchoscopy, 282

Caldwell-Luc approach

Endoscopic and Caldwell-Luc approaches in chronic maxillary sinusitis: comparative histopathologic study on preoperative and postoperative mucosal morphology, 350

Calibration

Calibration of endoscopic images, 19

Caloric function

Reappraisal of monothermal warm caloric screening test, 942 Recovery of caloric function in experimental perilymph fistula, 484

Camurati-Engelmann disease

Vestibular nerve compression in Camurati-Engelmann disease, 823

Cancer

Angiogenesis as prognostic marker in early head and neck cancer, 724

Are clinical classifications for laryngeal cancer satisfactory? 741

Gender differences in cancer of larynx, 419

Hyoepiglottic ligament in supraglottic cancer, 770

Quality of life after surgical treatment of cancer of larynx, 763 Second primary malignancies in head and neck cancer patient, 946

Capsaicin

Horseradish peroxidase permeability across rat nasal mucosa in selective stimulation of substance P innervation with capsaicin, 895

Role of capsaicin-sensitive trigeminal nerves in development of hyperreactive nasal symptoms in guinea pig model of nasal allergy, 730

Carcinoid tumor

Laryngeal paraganglioma versus atypical carcinoid tumor, 78

Carcinoma

Analysis of expression of matrix metalloproteinases-2 and -9 in hypopharyngeal squamous cell carcinoma by in situ hybridization, 678

Cervical lymph node status and survival in laryngeal carcinoma: prognostic factors, 685

Eustachian tube function of patients with nasopharyngeal carcinoma, 453

Factors influencing regional lymph node metastasis from laryngeal carcinoma, 442

Oral squamous cell carcinoma and mandible, 977

Positron emission tomography in evaluation of laryngeal carcinoma, 274

Cartilaginous tumor

Cartilaginous tumors of larynx, 251

Cell

Dendritic cells in normal human tympanic membrane, 803 Langerhans' cell histiocytosis of head and neck in children, 173

Central nervous system

Central nervous system imaging in evaluation of children with true vocal cord paralysis, 76

Cervical cleft

Congenital midline cervical cleft. Case report and review, 808

Cervical injury

Penetrating cervical injury caused by needlefish, 248

Cholesteatoma

Bone resorption in human cholesteatoma: morphological study with scanning electron microscopy, 463

Cholesteatoma surgery: individualized technique, 591 External ear canal cholesteatoma. Case report, 868

Cilia

Substance P and ciliary beat of human upper respiratory cilia in vitro, 798

Classification

Are clinical classifications for laryngeal cancer satisfactory?

Cleft

Congenital midline cervical cleft. Case report and review, 808

Click-evoked potential

Effects of L-baclofen and D-baclofen on auditory system: study of click-evoked potentials from inferior colliculus in rat, 399

Clinicopathological Consultation

Are clinical classifications for laryngeal cancer satisfactory? 741

Cartilaginous tumors of larynx, 251

Developmental lesions of head and neck: terminology and biologic behavior, 913

Immunohistochemical markers in diagnosis of neuroendocrine neoplasms of head and neck, 413

Laryngeal paraganglioma versus atypical carcinoid tumor, 78
Malignant laryngeal tumors: phenotypic evaluation and clinical implications, 587

Cochles

Disturbance of regulation of sodium by cis-diamminedichloroplatinum in perilymph of guinea pig cochlea, 149 Hydrops-induced changes in cochlear blood flow, 476 Magnetic resonance imaging of cochlear otosclerosis, 826

Cochlear implant

International Cochlear Implant, Speech and Hearing Symposium — Melbourne 1994, suppl 166

Multicenter comparative study of cochlear implants: final reports of Department of Veterans Affairs Cooperative Studies Program, suppl 165

Role of modern imaging technology in implementation of

pediatric cochlear implants, 42

Cochlear implant - auditory brain stem implants

Feasibility of central nervous system auditory prosthesis: penetrating microelectrode insertion force studies, suppl 166:31

Intraoperative electrophysiologic monitoring to assist placement of auditory brain stem implant, suppl 166:33

Multichannel auditory brain stem implant: case studies comparing fitting strategies and results, suppl 166:36

Nucleus 20-channel and 21-channel auditory brain stem implants: first European experiences, suppl 166:28

Three-dimensional modeling of human brain stem structures for auditory brain stem implant, suppl 166:30

Cochlear implant — biomedicine

Acute effects of high-rate stimulation on auditory nerve function in guinea pigs, suppl 166:71

Cochlear implantation: osteoneogenesis, electrode-tissue impedance, and residual hearing, suppl 166:40

Cochlear implants: future research directions, suppl 166:22 Cochlear precursors of neural pitch and loudness codes, suppl 166:12

Cortical activation during sound stimulation in cochlear implant users demonstrated by positron emission tomography, suppl 166:60

Effectiveness of different electrical stimulation conditions in preservation of spiral ganglion cells following deafness, suppl 166:57

Effects of glycerin, hyaluronic acid, and hydroxypropyl methylcellulose on spiral ganglion of guinea pig cochlea, suppl

Electrophysiologic effects following acute intracochlear direct current stimulation of guinea pig cochlea, suppl 166:68 Experimental animal model of intracochlear ossification in

relation to cochlear implantation, suppl 166:42 Initial investigation of efficacy and biosafety of sodium hyaluronate (Healon) as aid to electrode array insertion,

suppl 166:45
Intracochlear factors contributing to psychophysical percepts following cochlear implantation: case study, suppl 166:54

Monitoring electrically evoked compound action potential by means of new telemetry system, suppl 166:48

Spiral ganglion cell survival in labyrinthitis ossificans: computerized image analysis, suppl 166:51

Cochlear implant — clinical practice

Adult role models in pediatric cochlear implant program, suppl 166:87

Assessment of intracochlear ossification by three-dimensional reconstruction of computerized scans, suppl 166:79 Cochlear implantation of elderly, suppl 166:91

Fitting Nucleus-22 cochlear implant for Spanish speakers, suppl 166:75

Implants in children: first two years of the South Australian Program, suppl 166:83

Performance of Nucleus-22 channel cochlear implant system user before and after defibrillation, suppl 166:78

Report on children's cochlear implant program of British Columbia, Canada, suppl 166:76

Speech-tracking results for adults, suppl 166:88

Using impedance telemetry to diagnose cochlear electrode history, location, and functionality, suppl 166:85

Waveforms of cochlear implant-evoked auditory brain stem responses in anesthetized young children, recorded with new preamplifier, suppl 166:93

Cochlear implant — education and family

Importance of auditory-verbal education and parents' partici-

pation after cochlear implantation of very young children, suppl 166:97

Outcomes of cochlear implants for New Zealand children and their families, suppl 166:102 Preoperative predictors of outcomes from cochlear implanta-

tion in adults: performance and quality of life, suppl 166:105 Success of children with cochlear implants in mainstream educational settings, suppl 166:100

Cochlear implant — electrophysiology

Comparison of monaural acoustic and electric stimulation: unit types in cat inferior colliculus, suppl 166:118

Discharge rate-level functions from dorsal cochlear nucleus single units in response to acoustic and electrical stimulation of auditory nerve, suppl 166:124

Effects of electrical current configuration on potential fields in electrically stimulated cochlea: field models and measurements, suppl 166:131

Effects of electrical current configuration on stimulus detection, suppl 166:127

Electrical stimulation of residual hearing in implanted cochlea, suppl 166:111

Electrode configuration and spread of neural excitation: compartmental models of spiral ganglion cells, suppl 166:115

Model of discharge rate from auditory nerve fibers responding to electrical stimulation of cochlea: identification of cues for current and time-interval coding, suppl 166:121

Spatial and temporal resolution in multichannel cochlear implants, suppl 166:113

Temporal coding of frequency: neuron firing probabilities for acoustic and electric stimulation of auditory nerve, suppl 166:109

Cochlear implant — engineering

Architecture of Spectra 22 speech processor, suppl 166:139
Back-telemetry and Clarion cochlear prosthesis, suppl 166:146
Impedance measurement of Nucleus 22-electrode array in
patients, suppl 166:141

Implant designs for future coding strategies, suppl 166:137

Manikin and cochlear implant patient test results with portable adaptive beamforming processor to suppress effects of noise, suppl 166:144

Cochlear implant - ethics

Closing comments on decision to implant deaf child, suppl 166:20

Cochlear implants in young children: ethical considerations, suppl 166:17

Cochlear implants: some considerations of more or less ethical character, suppl 166:16

Medical and surgical perspectives: issues in treatment and management of severe and profound hearing impairment, suppl 166:149

Misleading deaf community about cochlear implantation in children, suppl 166:148

Some ethical dimensions of cochlear implantation of deaf children, suppl 166:19

Cochlear implant - hearing aids

Aided versus implanted speech recognition abilities in severe to profound postlingual deafness, suppl 166:153

Assessment of portable digital speech-rate converter for hearing-impaired listeners, suppl 166:156

Development of customizable universal digital hearing aid, suppl 166:154

One-channel and multichannel digitally programmable hearing aids in children with hearing impairment, suppl 166:159 Reliability and sensitivity of intelligibility judgments by severely and profoundly hearing-impaired children, suppl 166:151

Cochlear implant — postoperative management and assessment Adjustment of appropriate signal levels in Spectra 22 and mini speech processors, suppl 166:172

Averaged electrode voltages: management of electrode failures in children, fluctuating threshold and comfort levels, and otosclerosis, suppl 166:169

Changes in electrical thresholds over time in young children implanted with Nucleus cochlear prosthesis, suppl 166:177 Event-related potentials with selected electrodes of Nucleus

22-channel cochlear implant, suppl 166:163
Evidence for association between perception of electrical stimuli and rehabilitation dynamics in users of Nucleus 22-channel cochlear implant, suppl 166:181

Experience with observation sheets during rehabilitation of adults and children with cochlear implants, suppl 166:166 Interactive computer system for tuning cochlear 22-channel implant in young children, suppl 166:165

Management of Pacdiatric Cochlear Implant Programme in Scotland, suppl 166:180

Map dynamic ranges versus duration of hearing loss in cochlear implantees, suppl 166:178

Relationships among comfort levels determined by cochlear implant patient's self-programming, audiologist's programming, and electrical stapedius reflex thresholds, suppl 166:175

Cochlear implant - preoperative selection: adults

Are cochlear implants indicated in prelingually deaf adults? suppl 166:192

Cochlear implantation in senior citizen age group using Nucleus 22-channel device, suppl 166:187

Comparison of promontory stimulation test using transtympanic needle electrode with test using ear canal electrode, suppl 166:190

Etiology of hearing loss and cochlear computed tomography: findings in preimplant assessment, suppl 166:201

Factors influencing cochlear implant perceptual performance in 132 adults, suppl 166:185

Predictive factors for success with cochlear implant, suppl 166:196

Preoperative assessment of function of auditory nerve using electroaudiometry and notched-noise auditory brain stem response technique, suppl 166:198

Prognostic indicators of speech recognition performance in adult cochlear implant users: a prospective analysis, suppl 166:194

Cochlear implant - preoperative selection: children

Cochlear implants in deaf children who previously utilized hearing aids successfully or suffered deteriorating loss, suppl 166:217

Development of speech perception abilities of profoundly deaf children: a comparison between children with cochlear implants and those with conventional hearing aids, suppl 166:215

European procedures and considerations in children's cochlear implant program, suppl 166:212

Involving older child in cochlear implant decision-making process, suppl 166:207

Necessity of early diagnosis and assessment of postmeningitis children in view of cochlear implantation, suppl 166:208

Preoperative and postoperative diagnostic program for infants with cochlear implants: phoniatric, logopedic, pedagogic, and psycholinguistic aspects, suppl 166:210 Cochlear implant - psychophysics

Application of averaged electrode voltages in management of cochlear implant patients, suppl 166:228

Fusion and lateralization study with two binaural cochlear implant patients, suppl 166:233

Loudness of simple and complex stimuli in electric hearing, suppl 166:235

Loudness summation for two channels of stimulation in cochlear implants: effects of spatial and temporal separation, suppl 166:230

Musical pitch perception with pulsatile stimulation of single electrodes in patients implanted with Nucleus cochlear implant, suppl 166:224

Pitch matching of electric and acoustic stimuli, suppl 166:220
Test of use of amplitude envelope cues to consonant identity
by patients who use Ineraid cochlear implant, suppl 166:223

Cochlear implant - socioeconomic issues

Cochlear implantation: demand, costs, and utility, suppl 166:245
Cost-effectiveness of multichannel cochlear implant, suppl
166:248

Cost-utility analysis of cochlear implants, suppl 166:239

Current demographic characteristics of cochlear implant children in United States, suppl 166:240

Social performance ability in multichannel cochlear implantees, suppl 166:243

Cochlear implant - speech perception: adults

Auditory perception in three postlingually deaf patients with Nucleus Mini System-22 cochlear implant, suppl 166:282

Clarion patient performance: update on clinical trials, suppl 166:269

Comparison of two cochlear implant speech processors in better versus poorer performers, suppl 166:258

Continuing improvements in speech processing for adult cochlear implant patients, suppl 166:292

Distribution of speech recognition results with Clarion cochlear prosthesis, suppl 166:283

Effect of frequency boundary assignment on speech recognition with Speak speech-coding strategy, suppl 166:307

Effects of noise on speech discrimination in cochlear implant patients, suppl 166:303

First results with Spectra 22 speech processor at Medizinische Hochschule Hannover, suppl 166:285

Follow-up study of some speech communication results for multichannel-implanted patients, suppl 166:287

Insertion depth of Nucleus electrode array and relative performance, suppl 166:277

Insertion length of electrode array and its relation to speech communication performance and nonauditory side effects in multichannel-implanted patients, suppl 166:256

Intraindividual comparison of extracochlear and intracochlear multichannel implants, suppl 166:280

Japanese-language results for Speak strategy from Cochlear Pty Limited, suppl 166:265

Matched-pair comparisons for adults using Clarion or Nucleus devices, suppl 166:251

New directions for assessing speech perception in persons with sensory aids, suppl 166:300

Patient performance over eighteen months with Ineraid intracochlear implant, suppl 166:275

Performance changes in University College Hospital/Royal National Institute for the Deaf single-channel cochlear implant users upgraded to Nucleus 22-channel cochlear implant system, suppl 166:263

Postoperative results for adults and children implanted with Clarion device, suppl 166:254 Preliminary findings of new Spectra 22 speech processor with first-time cochlear implant users, suppl 166:272

Preliminary results with Clarion cochlear implant in postlingually deaf adults, suppl 166:268

Results with currently used cochlear implant, suppl 166:298 Speech perception abilities of adults using multichannel cochlear implant and frequency transposition hearing aid, suppl 166:260

Speech recognition performance over time with Clarion cochlear prosthesis, suppl 166:290

Speech recognition performance over time with Spectra 22 speech processor, suppl 166:306

Tone perception of Mandarin-speaking postlingually deaf implantees using Nucleus 22-channel cochlear mini system, suppl 166:294

Cochlear implant - speech perception: children

Categories of auditory performance, suppl 166:312

Cochlear implant performance in deaf child of deaf parents: case study, suppl 166:316

Cochlear implantation in multihandicapped child, suppl 166:329

Cochlear implantation in population of multihandicapped children, suppl 166:332

Cochlear implants in young children with Usher's syndrome, suppl 166:342

Effects of short-term deafness in young children implanted with Nucleus cochlear prosthesis, suppl 166:341

Issues in protocol design for cochlear implant clinical trials in children: Clarion pediatric study, suppl 166:337

Longitudinal comparison of benefits of cochlear implants and tactile aids in controlled educational setting, suppl 166:328 Potential and limitations of cochlear implants in children,

suppl 166:324

Speech perception and production in children wearing cochlear implant in one ear and hearing aid in opposite ear, suppl 166:314

Speech perception in children using advanced Speak speechprocessing strategy, suppl 166:318

Speech perception skills of children with multichannel cochlear implants or hearing aids, suppl 166:334

Vowel imitation task: results over time for 28 cochlear implant children under age of eight years, suppl 166:321

Within-subject comparison of speech perception benefits with multiple-channel cochlear implant and tactile device, suppl 166:339

Cochlear implant - speech processing

Analytic importance of coding features for discrimination of vowels in cochlear implant signal, suppl 166:351

Artificial neural network-based channel selection and loudness mapping, suppl 166:381

Characteristic frequency mapping in subjects using Nucleus 22-channel cochlear implant system with partial and full insertion, suppl 166:356

CINSTIM: Southampton Cochlear Implant-Neural Network Simulation and Stimulation framework: implementation advances of new, neural net-based speech-processing concept, suppl 166:375

Coding of voice source information in Nucleus cochlear implant system, suppl 166:363

Comparison study of patients using either Nucleus Minisystem-22 in bipolar mode or Nucleus 20 + 2 in monopolar mode, suppl 166:349

Control strategies for nerves modeled by self-exciting point processes, suppl 166:361

Cross-fiber interspike interval probability distribution in acoustic stimulation: computer modeling study, suppl 166:346 First results on patient experiments with CINSTIM: Southampton Cochlear Implant-Neural Network Stimulation framework, suppl 166:370

Glide psychophysics and related Mpeak and Speak speech performance, suppl 166:368

Multichannel cochlear implant speech processing: further variations of spectral maxima sound processor strategy, suppl 166:378

New temporal coding scheme for auditory nerve stimulation, suppl 166:358

Place-pitch and speech perception measures with bipolar and monopolar electrical stimulation of cochlea, suppl 166:372 Recognition of Dutch phonemes by cochlear implant users

with multipeak strategy, suppl 166:365

Cochlear implant — speech production and language

Changes in vowel quality in adult cochlear implant users, suppl 166:387

Early communicative behavior in young childen receiving cochlear implants: factor analysis of turn-taking and gaze orientation, suppl 166:397

Phonetic and phonologic changes in connected speech of children using cochlear implant, suppl 166:390

Speech intelligibility of implanted children, suppl 166:399 Speech production changes with Nucleus 22-channel cochlear implant, suppl 166:394

Spontaneous language development of young deaf children with cochlear implant, suppl 166:385

Cochlear implant - surgery

Anatomic and surgical considerations in design of new receiver-stimulator suitable for implantation in young children, suppl 166:428

Anomaly of facial nerve and cochlear implantation, suppl 166:430

Avoidance of complications with cochlear implants, suppl 166:431

Chronic middle ear disease and cochlear implantation, suppl 166:406

Cochlear implant reliability, suppl 166:441

Cochlear implantation outcomes: experience with Nucleus 22 implant, suppl 166:447

Cochlear reimplantation, suppl 166:449

Complications of cochlear implant surgery, suppl 166:420 Criteria for selecting side for cochlear implantation, suppl

166:403
Investigations on curved intracochlear array, suppl 166:409
Management of obliteration of cochlea in cochlear implanta-

tion, suppl 166:416
Mechanisms of tinnitus in profound deafness, suppl 166:418
Meningitis in Scotland: its implications for cochlear implants,

suppl 166:436 Modification of standard surgical approach for cochlear implants, suppl 166:432

Morphologic study of guinea pig cochlea after cochlear implantation using "soft surgery" technique, suppl 166:434

Otosclerosis and facial nerve stimulation, suppl 166:445
Persistent stapedial artery preventing successful cochlear implantation: case report, suppl 166:443

Postimplantation Meniere's syndrome with fluctuant electrical thresholds, suppl 166:412

Precurved electrode array and insertion tool, suppl 166:438 Surgical considerations for placement of new Cochlear Pty Limited micro-multiple-channel cochlear implant for research studies, suppl 166:408

Surgical difficulties and postoperative problems associated with cochlear implants, suppl 166:425

Surgical technique for inserting cochlear multielectrode array

into ears with total neo-ossification, suppl 166:414

Titanium clip for cochlear implant electrode fixation, suppl 166:402

Treatment of cutaneous ulceration after cochlear implantation surgery, suppl 166:422

Use of botulinum toxin to prevent facial nerve stimulation following cochlear implantation, suppl 166:426

Cochlear implant — tactile aids

Development of improved single-channel tactile aid to lipreading, suppl 166:463

Development of speech perception and speech production in primary school—age child using Tactaid VII, suppl 166:461 Improved electrotactile speech processor: Tickle Talker, suppl 166:454

Speech self-monitoring by children using electrotactile speech processor, suppl 166:456

Vibrotactile devices for deaf: are they out of touch? suppl 166:458

Collager

Treatment of vocal fold immobility by glutaraldehyde-crosslinked collagen injection: long-term results, 437

Complications

A learning experience: "I want to swallow," 675
Airway complications of jet ventilation in neonates, 24
Intracranial complications of sinusitis in childhood, 288

Otorhinolaryngological complications of progressive facial hemiatrophy (Romberg's disease), 853

Pneumocephalus as complication of intranasal ethmoidectomy and polypectomy, 326

Sialoadenitis: rare but well-recognized complication of iodinated glycerol, 162

Vocal cord palsy: possible late complication of radiotherapy for head and neck cancer, 294

Congenital anomalies

Congenital midline cervical cleft. Case report and review, 808 Laryngeal hamartoma: rare congenital abnormality, 87 Surgical management of congenital saccular cysts of larynx, 707

Contact endoscopy

Contact endoscopy during microlaryngeal surgery: new technique for endoscopic examination of larynx, 333

Cranial fossa

Management of posterior cranial fossa meningiomas, 105

Cricopharyngeal muscle

Improvement of dysphagia following cricopharyngeal myotomy in group of elderly patients. Histochemical and biochemical assessment of cricopharyngeal muscle, 603

Cryptococcosis

Cryptococcosis presenting as neck mass, 711

Cyclic adenosine monophosphate

Cyclic adenosine monophosphate stimulation of mucociliary activity in upper airways in vivo, 388

Cyst

Subglottic ductal cysts in preterm infant: association with laryngeal intubation trauma, 963

Surgical management of congenital saccular cysts of larynx, 707

Cytokine

Cytokine regulation of gelatinase production by head and neck squamous cell carcinoma: role of tumor necrosis factoralpha, 203

Decompression

Microvascular decompression by retrosigmoid approach for

idiopathic hemifacial spasm: experience with 300 cases, 610

## Dendrite

Dendritic cells in normal human tympanic membrane, 803

## Development

Developmental lesions of head and neck: terminology and biologic behavior, 913

Postnatal development of internal auditory canal studied by computer-aided three-dimensional reconstruction and measurement, 469

## Diagnosis

Laryngoscopic diagnosis of laryngeal sarcoid, 529

## Diverticulum

Endoscopic surgery of Zenker's diverticula. Experience with Dohlman technique, 751

## Doppler color flow imaging

Differential diagnosis of pulsatile neck masses by Doppler color flow imaging, 633

#### Duct

Subglottic ductal cysts in preterm infant: association with laryngeal intubation trauma, 963

Surface morphology of endolymphatic duct in rat. Scanning electron microscopy study, 120

## Dysplasia

Laryngeal dysplasia: epidemiology and treatment outcome, 596

### Ear canal

External ear canal cholesteatoma. Case report, 868

#### Education

Medical management of sinusitis: educational goals and management guidelines, suppl 167:22

## Electrocochleography

Evoked otoacoustic emissions and electrocochleography in patient with multiple sclerosis, 456

# Electronic speckle pattern interferometry

Electronic speckle pattern interferometry of vibrating larynx,

## Electronystagmography

Reappraisal of monothermal warm caloric screening test, 942

## Embedding

Method for embedding temporal bones of rats in methylmethacrylate, 783

## Encephalomyopathy

Mitochondrial encephalomyopathy: rare genetic cause of sensorineural hearing loss, 786

## Endolymph

Are papillary adenomas endolymphatic sac tumors? 613

Comparison of endolymph cross-sectional area measured histologically with that measured in vivo with ionic volume marker, 886

Na,K-ATPase in cochlear lateral wall of human temporal bones with endolymphatic hydrops, 858

Surface morphology of endolymphatic duct in rat. Scanning electron microscopy study, 120

Vascular permeability of stria vascularis and morphology of endolymphatic sac in two types of experimental endolymphatic hydrops, 210

## Endoscopy

Calibration of endoscopic images, 19

Contact endoscopy during microlaryngeal surgery: new technique for endoscopic examination of larynx, 333 Endoscopic vocal fold microflap: three-year experience, 267

#### Endotoxin

Effect of HA-1A monoclonal IgM antibody on endotoxininduced proliferation of cultured rat middle ear epithelium, 226

## Eosinophilia

Head and neck manifestations of eosinophilia-myalgia syndrome, 90

#### Epidermal cell

Epidermal cell migration and healing of tympanic membrane: immunohistochemical study of cell proliferation using bromodeoxyuridine labeling, 218

## **Epistaxis**

Use of oxymetazoline in management of epistaxis, 704

## Epithelium

Effect of histamine on nasal epithelial permeability to horseradish peroxidase in allergic guinea pigs, 394

## Esophagoscopy

On esophagoscopy and sword-swallowing, 259

## Eustachian tube

Eustachian tube function of patients with nasopharyngeal carcinoma, 453

Inhibition of mucociliary clearance of eustachian tube by leukotrienes C4 and D4, 231

## **Evoked otoacoustic emissions**

Evoked otoacoustic emissions and electrocochleography in patient with multiple sclerosis, 456

## Exercise

Exercise-induced laryngomalacia, 537

#### External ear canal

External ear canal cholesteatoma. Case report, 868

## **Evelid** weights

Effect of magnetic resonance imaging on implantable eyelid weights, 448

## Fat

Long-term result of vocal cord augmentation with autogenous fat, 871

Autologous fat injection for vocal fold paralysis: long-term histologic evaluation, 1

## Fibers

Intervascular smooth muscle fibers and muscular bolsters in nasal swell bodies of humans, 144

## Fistula

Recovery of caloric function in experimental perilymph fistula, 484

Salvage laryngectomy for unsuccessful larynx preservation therapy, 936

## Fracture

Bilateral extra-articular condylar neck fracture, 905

## Functional neck dissection

Internal jugular vein patency after functional neck dissection: venous duplex imaging, 532

## Gas

Middle ear gas composition and middle ear aeration, 369

## Gelatinas

Cytokine regulation of gelatinase production by head and neck squamous cell carcinoma: role of tumor necrosis factoralpha, 203

## Gender

Gender differences in cancer of larynx, 419

Gender-specific vocal dysfunctions in Parkinson's disease: electroglottographic and acoustic analyses, 197

#### Genetics

Mitochondrial encephalomyopathy: rare genetic cause of sensorineural hearing loss, 786

Pendred's syndrome: study of patients and relatives, 957

#### Gentamicin

Effects of compound injection of *Pyrola rotundifolia* L and *Astragalus membranaceus* Bge on experimental guinea pigs' gentamicin ototoxicity, 374

## Gland

Pituitary gland involvement of sinonasal tract, 167

Recurrent pleomorphic adenoma of parotid gland: report of 126 cases and review of literature, 100

Sialoadenitis: rare but well-recognized complication of iodinated glycerol, 162

#### Glutathione

Age- and gender-related trends in expression of glutathione Stransferases in human nasal mucosa, 812

Glutathione in upper respiratory tract, 117

#### Gore-Tex

Gore-Tex for nasal augmentation: recent series and review of literature, 850

#### Graft

Comparison of rabbit facial nerve regeneration in nerve growth factor-containing silicone tubes to that in autologous neural grafts, 875

Resurfaring of large laryngeal wound with mucosa grafting: consbined technique using endoscopic suture and laser soldering, 919

## Granuloma

Teflon granuloma of larynx: etiology, pathophysiology, and management, 511

## Hamarton

Laryngeal hamartoma: rare congenital abnormality, 87 Respiratory epithelial adenomatoid hamartomas of sinonasal tract and nasopharynx: clinicopathologic study of 31 cases,

## Head extension

Head extension effect in static posturography, 570

## Hearing

Hearing loss in Behçet's disease, 864

International Cochlear Implant, Speech and Hearing Symposium — Melbourne 1994, suppl 166

## Heat shock protein 70

Evidence linking 68 kilodalton antigen identified in progressive sensorineural hearing loss patient sera with heat shock protein 70, 181

Human olfactory receptor neurons express heat shock protein 70: age-related trends, 47

## Helical computed tomography

Three-dimensional imaging of hypopharynx and larynx by means of helical (spiral) computed tomography. Comparison of radiological and otolaryngological evaluation, 425

## Herbs

Effects of compound injection of *Pyrola rotundifolia* L and *Astragalus membranaceus* Bge on experimental guinea pigs' gentamicin ototoxicity, 374

# Herpes

Facial nerve paralysis induced by herpes simplex virus in mice: animal model of acute and transient facial paralysis, 574.

#### Histamine

Ability of histamine to increase nasal mucosal permeability to macromolecules in guinea pigs, 969

Effect of histamine on nasal epithelial permeability to horseradish peroxidase in allergic guinea pigs, 394

## Histiocytosis

Langerhans' cell histiocytosis of head and neck in children, 173

## Histology

Histologic investigation of macula flava of human vocal fold, 138

## Human papillomavirus

Adult respiratory papillomatosis: human papillomavirus type and viral coinfections as predictors of prognosis, 758

## Hybridization

Analysis of expression of matrix metalloproteinases-2 and -9 in hypopharyngeal squamous cell carcinoma by in situ hybridization, 678

## Hydrop

Hydrops-induced changes in cochlear blood flow, 476

Na,K-ATPase in cochlear lateral wall of human temporal bones with endolymphatic hydrops, 858

Vascular permeability of stria vascularis and morphology of endolymphatic sac in two types of experimental endolymphatic hydrops, 210

## Hyoepiglottic ligament

Hyoepiglottic ligament in supraglottic cancer, 770

## Hypertrophy

Quantitative bacteriology of tonsils removed from children with tonsillitis hypertrophy and recurrent tonsillitis with and without hypertrophy, 646

## Hypoglossal schwannoma, 490

## Imaging

See also Imaging Case Study of the Month

Effect of magnetic resonance imaging on implantable eyelid weights, 448

Positron emission tomography in evaluation of laryngeal carcinoma, 274

Role of modern imaging technology in implementation of pediatric cochlear implants, 42

Surface-coil magnetic resonance imaging of internal auditory canal and inner ear. Preliminary report, 776

Three-dimensional imaging of hypopharynx and larynx by means of helical (spiral) computed tomography. Comparison of radiological and otolaryngological evaluation, 425

## Imaging Case Study of the Month

Bilateral extra-articular condylar neck fracture, 905

Central nervous system imaging in evaluation of children with true vocal cord paralysis, 76

Cervical lymphangioma with simultaneous skull base invasion and soft tissue regression, 662

Computed tomographic detection of necrotizing soft tissue infection of dental origin, 164

Hypoglossal schwannoma, 490

Infiltrating intramuscular lipoma of paraspinal muscles, 582 Internal jugular vein thrombosis, 899

Intranasal astrocytoma, 665

Lipoma masquerading as submandibular mass, 585 Magnetic resonance imaging of cochlear otosclerosis, 826

Maxillary carcinoma arising in postoperative sinus, 493

Mucocele of inferior turbinate, 910 Mucocele of pterygomaxillary space, 246

Mucocele of sphenoid sinus in child, 738

Mycobacterial cervical adenitis, 409

Penetrating cervical injury caused by needlefish, 248

Plunging ranulas in children, 405

Pneumocephalus as complication of intranasal ethmoidectomy and polypectomy, 326

Sialoadenitis: rare but well-recognized complication of iodinated glycerol, 162

Sinus within sinus: mammoth extramural ethmoid air cell, 161 Ultrasonographic imaging of sternocleidomastoid tumor of infancy, 323

Ultrasonography of infected parotid gland in elderly patient: detection of sialolithiasis during acute attack, 736

Vestibular nerve compression in Camurati-Engelmann disease, 823

**Immunity** 

In situ analysis of immune microenvironment of adenoid in children with and without secretory otitis media, 189

Immunoglobulin

Effect of HA-1A monoclonal IgM antibody on endotoxininduced proliferation of cultured rat middle ear epithelium, 226

Implant

See also Cochlear implant

Role of modern imaging technology in implementation of pediatric cochlear implants, 42

Infection

Computed tomographic detection of necrotizing soft tissue infection of dental origin, 164

Inferior colliculus

Effects of L-baclofen and D-baclofen on auditory system: study of click-evoked potentials from inferior colliculus in rat, 399

Inflammation

Expression of intercellular adhesion molecule-1 during inner ear inflammation, 69

Inflammatory pseudotumor

"Inflammatory pseudotumor": What is it? How does it behave? 329

Intercellular adhesion molecule-1

Expression of intercellular adhesion molecule-1 during inner ear inflammation, 69

Interferometry

Electronic speckle pattern interferometry of vibrating larynx,

Internal auditory canal

Postnatal development of internal auditory canal studied by computer-aided three-dimensional reconstruction and measurement, 469

Surface-coil magnetic resonance imaging of internal auditory canal and inner ear. Preliminary report, 776

Internal jugular vein

Internal jugular vein patency after functional neck dissection: venous duplex imaging, 532

Intracranial complications

Intracranial complications of sinusitis in childhood, 288

Intubation

Jet stylets as aid for replacement of tracheostomy tubes, 695 Subglottic ductal cysts in preterm infant: association with laryngeal intubation trauma, 963

Irradiation

Tracheoesophageal puncture in irradiated patients, 279

Jet stylet

Jet stylets as aid for replacement of tracheostomy tubes, 695

Jet ventilation

Airway complications of jet ventilation in neonates, 24

Langerhans' cell

Langerhans' cell histiocytosis of head and neck in children, 173

Laryngeal dysplasia

Laryngeal dysplasia: epidemiology and treatment outcome, 596

Laryngeal hamartoma

Laryngeal hamartoma: rare congenital abnormality, 87

Laryngectomy

A learning experience: "I want to swallow," 675

Duration and frequency characteristics of speech and voice following supracricoid partial laryngectomy, 516

Nasotracheal airway—oropharyngeal alimentary canal: microvascular technique for reconstruction of upper airway after total laryngectomy, 317

Revascularization of salvage supraglottic laryngectomy. Preliminary report, 127

Salvage laryngectomy for unsuccessful larynx preservation therapy, 936

Supraglottic laryngectomy with or without postoperative radiotherapy in supraglottic carcinomas, 358

Laryngitis

Outcome of antireflux therapy for treatment of chronic laryngitis, 550

Laryngomalacia

Exercise-induced laryngomalacia, 537

Laser aryepiglottoplasty for treatment of neurasthenic laryngomalacia in cerebral palsy, 432

Laryngoscope

Laryngoscopic diagnosis of laryngeal sarcoid, 529

Laryngostroboscopy

Clinical measurement of mucosal wave velocity using simultaneous photoglottography and laryngostroboscopy, 340

Larynx

Benign pathologic responses of larynx, 13

Cartilaginous tumors of larynx, 251

Electronic speckle pattern interferometry of vibrating larynx,
5

Gender differences in cancer of larynx, 419

Malignant laryngeal tumors: phenotypic evaluation and clinical implications, 587

Teflon granuloma of larynx: etiology, pathophysiology, and management, 511

Laser

Laser aryepiglottoplasty for treatment of neurasthenic laryngomalacia in cerebral palsy, 432

Resurfacing of large laryngeal wound with mucosa grafting: combined technique using endoscopic suture and laser soldering, 919

Letters to the Editor, 84, 85, 258, 501, 748, 749, 980

Leukotriene

Inhibition of mucociliary clearance of eustachian tube by leukotrienes C4 and D4, 231

Ligament

Hyoepiglottic ligament in supraglottic cancer, 770 Stress-strain response of human vocal ligament, 563

## Lipoma

Infiltrating intramuscular lipoma of paraspinal muscles, 582 Lipoma masquerading as submandibular mass, 585

## Lower skull base

Lower skull base: anatomic study with surgical implications, 57

#### Lung

Pneumomediastinum after rigid bronchoscopy, 955

## Lymph node

Cervical lymph node status and survival in laryngeal carcinoma: prognostic factors, 685

Factors influencing regional lymph node metastasis from laryngeal carcinoma, 442

## Lymphangioma

Cervical lymphangioma with simultaneous skull base invasion and soft tissue regression, 662

### Lymphoepithelioma

Nonnasopharyngeal lymphoepitheliomas (undifferentiated carcinomas) of upper aerodigestive tract, 305

#### Macula flava

Age-related changes of macula flava of human vocal fold, 839 Histologic investigation of macula flava of human newborn vocal fold, 556

Histologic investigation of macula flava of human vocal fold, 138

## Magnetic resonance imaging

See also Imaging, Imaging Case Study of the Month Effect of magnetic resonance imaging on implantable eyelid weights, 448

In vivo observation with magnetic resonance imaging of middle ear effusion in response to experimental underpressures, 522

## Malacia

Exercise-induced laryngomalacia, 537

## Malignancy

Malignant laryngeal tumors: phenotypic evaluation and clinical implications, 587

Teratomas of head and neck with emphasis on malignancy, 496

# Management

Medical management of sinusitis: educational goals and management guidelines, suppl 167:22

## Mandikla

Lipoma masquerading as submandibular mass, 585
Oral squamous cell carcinoma and mandible, 977

## Mass

Cryptococcosis presenting as neck mass, 711

Differential diagnosis of pulsatile neck masses by Doppler color flow imaging, 633

## Mastoic

Cholesteatoma surgery: individualized technique, 591

## Marke

Immunohistochemical markers in diagnosis of neuroendocrine neoplasms of head and neck, 413

## Maxilla

Bilateral maxillectomy and midfacial reconstruction, 845 Maxillary carcinoma arising in postoperative sinus, 493

## Measuremen

Airway measurement using morphometric analysis, 835 Calibration of endoscopic images, 19 Comparison of endolymph cross-sectional area measured histologically with that measured in vivo with ionic volume marker, 886

Quantification for staging sinusitis, suppl 167:17

## Meniere's disease

Comparison of endolymph cross-sectional area measured histologically with that measured in vivo with ionic volume marker, 886

## Meningioma

Management of posterior cranial fossa meningiomas, 105

### Metalloproteinase

Analysis of expression of matrix metalloproteinases-2 and -9 in hypopharyngeal squamous cell carcinoma by in situ hybridization, 678

#### Metastasis

Factors influencing regional lymph node metastasis from laryngeal carcinoma, 442

## Methyl-methacrylate

Method for embedding temporal bones of rats in methylmethacrylate, 783

## Microflap

Endoscopic vocal fold microflap: three-year experience, 267

## Microlaryngeal surgery

Contact endoscopy during microlaryngeal surgery: new technique for endoscopic examination of larynx, 333

#### Middle ea

In vivo observation with magnetic resonance imaging of middle ear effusion in response to experimental underpressures, 522

Middle ear gas composition and middle ear aeration, 369

## Midfacial reconstruction

Bilateral maxillectomy and midfacial reconstruction, 845

## Mitochondria

Mitochondrial encephalomyopathy: rare genetic cause of sensorineural hearing loss, 786

## Model

Facial nerve paralysis induced by herpes simplex virus in mice: animal model of acute and transient facial paralysis, 574

## Molecule

Expression of intercellular adhesion molecule-1 during inner ear inflammation, 69

## Monoclonal antibody

Effect of HA-1A monoclonal IgM antibody on endotoxininduced proliferation of cultured rat middle ear epithelium, 226

## Morphometry

Airway measurement using morphometric analysis, 835 Measurements of stapes superstructure, 311

## Mucocele

Mucocele of inferior turbinate, 910

Mucocele of pterygomaxillary space, 246

Mucocele of sphenoid sinus in child, 738

## Mucociliary activity

Cyclic adenosine monophosphate stimulation of mucociliary activity in upper airways in vivo, 388

Inhibition of mucociliary clearance of eustachian tube by leukotrienes C4 and D4, 231

## Mucosa

Ability of histamine to increase nasal mucosal permeability to macromolecules in guinea pigs, 969 Clinical measurement of mucosal wave velocity using simultaneous photoglottography and laryngostroboscopy, 340

Endoscopic and Caldwell-Luc approaches in chronic maxillary sinusitis: comparative histopathologic study on preoperative and postoperative mucosal morphology, 350

Resurfacing of large laryngeal wound with mucosa grafting: combined technique using endoscopic suture and laser soldering, 919

Multicenter comparative study

Multicenter comparative study of cochlear implants: final reports of Department of Veterans Affairs Cooperative Studies Program, suppl 165

Multiple sclerosis

Evoked otoacoustic emissions and electrocochleography in patient with multiple sclerosis, 456

Vestibular and sensory interaction deficits assessed by dynamic platform posturography in patients with multiple sclerosis, 62

Muscle

Atypical myosin heavy chain in rat laryngeal muscle, 237 Improvement of dysphagia following cricopharyngeal myotomy in group of elderly patients. Histochemical and biochemical assessment of cricopharyngeal muscle, 603

Infiltrating intramuscular lipoma of paraspinal muscles, 582 Intervascular smooth muscle fibers and muscular bolsters in nasal swell bodies of humans, 144

Ultrasonographic imaging of sternocleidomastoid tumor of infancy, 323

Myalgia

Head and neck manifestations of eosinophilia-myalgia syndrome, 90

Mycobacterium

Mycobacterial cervical adenitis, 409

Mycobacterial disease of head and neck: current perspective, 830

Myosin

Atypical myosin heavy chain in rat laryngeal muscle, 237

Myringosclerosis

Myringosclerosis caused by increased oxygen concentration in traumatized tympanic membranes. Experimental study, 625

Na-K-ATPase

Na,K-ATPase in cochlear lateral wall of human temporal bones with endolymphatic hydrops, 858

Nasopharynx

Eustachian tube function of patients with nasopharyngeal carcinoma, 453

Neck

Cryptococcosis presenting as neck mass, 711

Differential diagnosis of pulsatile neck masses by Doppler color flow imaging, 633

Mycobacterial disease of head and neck: current perspective, 830

Second primary malignancies in head and neck cancer patient, 946

Necrotizing fasciitis

Peritonsillar abscess: unlikely cause of necrotizing fasciitis, 133

Nerve

Abnormalities in long latency responses to superior laryngeal nerve stimulation in adductor spasmodic dysphonia, 928

Comparison of rabbit facial nerve regeneration in nerve growth factor-containing silicone tubes to that in autologous neural grafts, 875

Facial nerve paralysis induced by herpes simplex virus in mice: animal model of acute and transient facial paralysis, 574

Human olfactory receptor neurons express head shock protein 70: age-related trends, 47

Microvascular decompression by retrosigmoid approach for idiopathic hemifacial spasm: experience with 300 cases, 610

Role of capsaicin-sensitive trigeminal nerves in development of hyperreactive nasal symptoms in guinea pig model of nasal allergy, 730

Ultrastructural changes in superior vestibular commissural neurons following vestibular neuroctomy in cat, 381

Vestibular nerve compression in Camurati-Englemann discase, 823

Neuroendocrine neoplasm

Immunohistochemical markers in diagnosis of neuroendocrine neoplasms of head and neck, 413

Newbon

Histologic investigation of macula flava of human newborn vocal fold, 556

Nomenclature

Paranasal sinuses: anatomic terminology and nomenclature, suppl 167:7

Nonnasopharyngeal lymphoepithelioma

Nonnasopharyngeal lymphoepithelic nas (undifferentiated carcinomas) of upper aerodigestive tract, 305

Nose

Ability of histamine to increase nasal mucosal permeability to macromolecules in guinea pigs, 969

Age- and gender-related trends in expression of glutathione Stransferases in human nasal mucosa, 812

Gore-Tex for nasal augmentation: recent series and review of literature, 850

Horseradish peroxidase permeability across rat nasal mucosa in selective stimulation of substance P innervation with cansaicin. 895

Intervascular smooth muscle fibers and muscular bolsters in nasal swell bodies of humans, 144

Intranasal astrocytoma, 665

Mucocele of inferior turbinate, 910

Pituitary gland involvement of sinonasal tract, 167

Respiratory epithelial adenomatoid hamartomas of sinonasal tract and nasopharynx: clinicopathologic study of 31 cases, 639

Use of oxymetazoline in management of epistaxis, 704

Obituary

George F. Reed, 256

Obstruction

Upper airway obstruction in Sturge-Weber and Klippel-Trenaunay-Weber syndromes, 364

Olfaction

β-Amyloid peptide and amyloid precursor proteins in olfactory mucosa of patients with Alzheimer's disease, Parkinson's disease, and Down syndrome, 655

Human olfactory receptor neurons express heat shock protein 70: age-related trends, 47

Otitis media

Effect of otitis media on vestibular system in children, 620 In situ analysis of immune microenvironment of adenoid in children with and without secretory otitis media, 189

Onset of otitis media in first eight weeks of life in Aboriginal and non-Aboriginal Australian infants, 542

#### Otoacoustic emissions

Otoacoustic emission measurements in evaluation of immediate effect of ventilation tube insertion in children, 297

#### **Otosclerosis**

Magnetic resonance imaging of cochlear otosclerosis, 826

## Ototoxicity

Effects of compound injection of *Pyrola rotundifolia* I. and Astragalus membranaceus Bgc on experimental guinea pigs' gentamicin ototoxicity, 374

## Oxygen

Myringosclerosis caused by increased oxygen concentration in traumatized tympanic membranes. Experimental study, 625

## Oxymetazoline

Use of oxymetazoline in management of epistaxis, 704

#### Palate

Stress velopharyngeal incompetence in adolescent trumpet player, 715

#### Palsy

Vocal cord palsy: possible late complication of radiotherapy for head and neck cancer, 294

## Papillary adenoma

Are papillary adenomas endolymphatic sac tumors? 613

## **Papillema**

Adult respira ory papillomatosis: human papillomavirus type and viral coinfections as predictors of prognosis, 758

#### Paragangliom:

Laryngeal paraganglioma versus atypical carcinoid tumor, 78

## **Paralysis**

Autologous fat injection for vocal fold paralysis: long-term histologic evaluation, 1

Central nervous system imaging in evaluation of children with true vocal cord paralysis, 76

Treatment of vocal fold immobility by glutaraldehyde-crosslinked collagen injection: leng-term results, 437

## Parkinson's disease

Gender-specific vocal dysfunctions in Parkinson's disease: electroglottographic and acoustic analyses, 197

## Parotid gland

Ultrasonography of infected parotic gland in elderly patient: detection of sialolithiasis during acute attack, 736

## Pathology

See also Pathology Consultation

Benign pathologic response of larynx,

## **Pathology Consultation**

Bacillary angiomatosis, 668

"Inflammatory pseudotumor": What is it? How does it behave? 329

Mycobacterial disease of head and neck: current perspective, 830

Pituitary gland involvement of sinonasal tract, 167

Teratomas of head and neck with emphasis on malignancy, 496

## Pendred's syndrome

Pendred's syndrome: study of patients and relatives, 957

## Penetrating cervical injury

Penetrating cervical injury caused by needlefish, 248

## Peptide

β-Amyloid peptide and amyloid precursor proteins in olfactory mucosa of patients with Alzheimer's disease, Parkinson's disease, and Down syndrome, 655

## Perforation

Immunohistochemical study of transforming growth factor-α expression in normal and perforated tympanic membrane, 793

#### Performance

Influence of processing strategies on cochlear implant performance, suppl 165:9

Performance as function of time: study of three cochlear implant devices, suppl 165:19

Predictors of postoperative performance with cochlear implants, suppl 165:15

## Periadenitis mucosa necrotica recurrens

Sutton's disease (periadenitis mucosa necrotica recurrens), 301

## Perilympi

Disturbance of regulation of sodium by cis-diamminedichloroplatinum in perilymph of guinea pig cochlea, 149

Recovery of caloric function in experimental perilymph fistula, 484

## Pharynx

Pharyngeal and pharyngolaryngeal bands: report of unusual combination of congenital anomalies, 653

## Photoglottography

Clinical measurement of mucosal wave velocity using simultaneous photoglottography and laryngostroboscopy, 340

## Pleomorphic adenoma

Recurrent pleomorphic adenoma of parotid gland: report of 126 cases and review of literature, 100

## Plunging ranula

Plunging ranulas in children, 405

## Pneumocephalus

Pneumocephalus as complication of intranasal ethmoidectomy and polypectomy, 326

## Pneumolabyrinth

Pneumolabyrinth as computed tomographic finding in poststapedectomy vertigo, 974

# Pneumomediastinum

Pneumomediastinum after rigid bronchoscopy, 955

## Positron emission tomography

Positron emission tomography in evaluation of laryngeal carcinoma. 274

## Posterior cranial fossa

Management of posterior cranial fossa meningiomas, 105

## Posturography

Head extension effect in static posturography, 570

Vestibular and sensory interacton deficits assessed by dynamic platform posturography in patients with multiple sclerosis. 62

## Processing

Influence of processing strategies on cochlear implant performance, suppl 165:9

## Profound hearing impairment

Tinnitus in profoundly hearing-impaired and effects of cochlear implants, suppl 165:25

## **Prognosis**

Angiogenesis as prognostic marker in early head and neck cancer, 724

Cervical lymph node status and survival in laryngeal carcinoma: prognostic factors, 685

- Laryngeal dysplasia: epidemiology and treatment outcome,
- Predicting recurrence and survival in patients with laryngeal cancer by means of DNA cytometry, tumor front grading, and proliferation markers, 503
- Predictors of postoperative performance with cochlear implants, suppl 165:15 Surgical results, suppl 165:6
- Progressive facial hemiatrophy
- Otorhinolaryngological complications of progressive facial hemiatrophy (Romberg's disease), 853
- Progressive sensorineural hearing loss Evidence linking 68 kilodalton antigen identified in progressive sensorineural hearing loss patient sera with heat shock
- β-Amyloid peptide and amyloid precursor proteins in olfactory mucosa of patients with Alzheimer's disease, Parkinson's disease, and Down syndrome, 655
- "Inflammatory pseudotumor": What is it? How does it behave? 329
- Pterygomaxillary space Mucocele of pterygomaxillary space, 246
- Tracheoesophageal puncture in irradiated patients, 279
- Quality of life Change in quality of life of adult cochlear implant patients, suppl 165:31
- Quality of life after surgical treatment of cancer of larynx, 763
- Quality of life after surgical treatment of cancer of larynx, 763 Retest stability of tinnitus handicap questionnaire, 718
- Radiotherapy Supraglottic laryngectomy with or without postoperative radiotherapy in supraglottic carcinomas, 358
- Plunging ranulas in children, 405
- Reconstruction Bilateral maxillectomy and midfacial reconstruction, 845 Nasotracheal airway-oropharyngeal alimentary canal: microvascular technique for reconstruction of upper airway after
- total laryngectomy, 317 Postnatal development of internal auditory canal studied by computer-aided three-dimensional reconstruction and measurement, 469
- Predicting recurrence and survival in patients with laryngeal cancer by means of DNA cytometry, tumor front grading, and proliferation markers, 503
- Reflux Outcomes of antireflux therapy for treatment of chronic laryngitis, 550
- Resistance Trade-off between airway resistance and optical resolution in pediatric rigid bronchoscopy, 282
- Resorption Bone resorption in human cholesteatoma: morphological study with scanning electron microscopy, 463
- Respiratory tract Glutathione in upper respiratory tract, 117

- Substance P and ciliary beat of human upper respiratory cilia
- Surgical results, suppl 165:6

Schwannoma

- Revascularization Revascularization of salvage supraglottic laryngectomy. Preliminary report, 127
- Romberg's disease Otorhinolaryngological complications of progressive facial hemiatrophy (Romberg's disease), 853
- Saccular cyst Surgical management of congenital saccular cysts of larynx, 707
- Sarcoid Laryngoscopic diagnosis of laryngeal sarcoid, 529
- Scanning electron microscopy Surface morphology of endolymphatic duct in rat. Scanning electron microscopy study, 120
- Hypoglossal schwannoma, 490 Second primary malignancy
- Second primary malignancies in head and neck cancer patient, 946
- Self-report evaluations Change in quality of life of adult cochlear implant patients, suppl 165:31
- Sensory cells Degeneration of vestibular sensory cells caused by ablation of vestibular aqueduct in gerbil ear, 155
- Comparison of rabbit facial nerve regeneration in nerve growth factor-containing silicone tubes to that in autologous neural grafts, 875
- Endoscopic and Caldwell-Luc approaches in chronic maxillary sinusitis: comparative histopathologic study on pre-
- operative and postoperative mucosal morphology, 350 International Conference on Sinus Disease: Terminology, Staging, Therapy, suppl 167
- Intracranial complications of sinusitis in childhood, 288 Maxillary carcinoma arising in postoperative sinus, 493
- Mucocele of sphenoid sinus in child, 738 Paranasal Sinuses & Anterior Skull Base. Interactive Anatomy.
- Volume 1-1, 488 Sinus within sinus: mammoth extramural ethmoid air cell, 161
- Skull base Cervical lymphangioma with simultaneous skull base invasion and soft tissue regression, 662
- Lower skull base: anatomic study with surgical implications,
- Paranasal Sinuses & Anterior Skull Base. Interactive Anatomy. Volume 1-1, 488
- Disturbance of regulation of sodium by cis-diamminedichloroplatinum in perilymph of guinea pig cochlea, 149
- Software Review Paranasal Sinuses & Anterior Skull Base. Interactive Anatomy. Volume 1-1, 488
- Microvascular decompression by retrosigmoid approach for

idiopathic hemifacial spasm: experience with 300 cases, 610

Spasmodic dysphonia

Abnormalities in long latency responses to superior laryngeal nerve stimulation in adductor spasmodic dysphonia, 928

Speech

Duration and frequency characteristics of speech and voice following supracricoid partial laryngectomy, 516

International Cochlear Implant, Speech and Hearing Symposium — Melbourne 1994, suppl 166

Spiral computed tomography

Three-dimensional imaging of hypopharynx and larynx by means of helical (spiral) computed tomography. Comparison of radiological and otolaryngological evaluation, 425

Staging

Quantification for staging sinusitis, suppl 167:17

Stapes

Measurements of stapes superstructure, 311

Pneumolabyrinth as computed tomographic findings in poststapedectomy vertigo, 974

Static posturography

Head extension effect in static posturography, 570

S-transferase

Age- and gender-related trends in expression of glutathione Stransferases in human nasal mucosa, 812

Strategies

Influence of processing strategies on cochlear implant performance, suppl 165:9

Stress

Stress-strain response of human vocal ligament, 563 Stress velopharyngeal incompetence in adolescent trumpet player, 715

Substance P

Horseradish peroxidase permeability across rat nasal mucosa in selective stimulation of substance P innervation with capsaicin, 895

Substance P and ciliary beat of human upper respiratory cilia in vitro, 798

Superior vestibular commissural neurons

Ultrastructural changes in superior vestibular commissural neurons following vestibular neurectomy in cat, 381

Superstructure

Measurements of stapes superstructure, 311

Supraglottis

Revascularization of salvage supraglottic laryngectomy. Preliminary report, 127

Supraglottic laryngectomy with or without postoperative radiotherapy in supraglottic carcinomas, 358

Surface coil

Surface-coil magnetic resonance imaging of internal auditory canal and inner ear. Preliminary report, 776

Surgery

Cholesteatoma surgery: individualized technique, 591

Ear surgery in Treacher Collins syndrome, 31

Innominate artery compression of trachea: diagnosis and treatment by anterior suspension, 924

Saivage laryngectomy for unsuccessful larynx preservation therapy, 936

Surgical results, suppl 165:6

Curviva

Predicting recurrence and survival in patients with laryngeal

cancer by means of DNA cytometry, tumor front grading, and proliferation markers, 503

Sutton's disease

Sutton's disease (periadenitis mucosa necrotica recurrens), 301

**Swallowing** 

A learning experience: "I want to swallow," 675

Improvement of dysphagia following cricopharyngeal myotomy in group of elderly patients. Histochemical and biochemical assessment of cricopharyngeal muscle, 603 On esophagoscopy and sword-swallowing, 259

Syndrome

Ear surgery in Treacher Collins syndrome, 31 Pendred's syndrome: study of patients and relatives, 957

Upper airway obstruction in Sturge-Weber and Klippel-Trenaunay-Weber syndromes, 364

Teflon

Teflon granuloma of larynx: etiology, pathophysiology, and management, 511

Temporal bone

Method for embedding temporal bones of rats in methylmethacrylate, 783

Teratoma

Teratoma of head and neck with emphasis on malignancy, 496

Terminology

Developmental lesions of head and neck: terminology and biologic behavior, 913

Paranasal sinuses: anatomic terminology and nomenclature, suppl 167:7

Testing

Reappraisal of monothermal warm caloric screening test, 942 Retest stability of tinnitus handicap questionnaire, 718

Thrombosis

Internal jugular vein thrombosis, 899

Time

Performance as function of time: study of three cochlear implant devices, suppl 165:19

Tinnitus

Retest stability of tinnitus handicap questionnaire, 718 Tinnitus in profoundly hearing-impaired and effects of co-

chlear implants, suppl 165:25

Tonsil

Peritonsillar abscess: unlikely cause of necrotizing fasciitis, 133

Quantitative bacteriology of tonsils removed from children with tonsillitis hypertrophy and recurrent tonsillitis with and without hypertrophy, 646

Tooth

Computed tomographic detection of necrotizing soft tissue infection of dental origin, 164

Trache

Innominate artery compression of trachea: diagnosis and treatment by anterior suspension, 924

Tracheoesophageal puncture

Tracheoesophageal puncture in irradiated patients, 279

Tracheostoms

Jet stylets as aid for replacement of tracheostomy tubes, 695

Transforming growth factor-a

Immunohistochemical study of transforming growth factor—a expression in normal and perforated tympanic membrane,

#### Trauma

- Benign lesions of vocal folds: histopathology and phonotrauma,
- Myringosclerosis caused by increased oxygen concentration in traumatized tympanic membranes. Experimental study, 625

## Treacher Collins syndrome

Ear surgery in Treacher Collins syndrome, 31

## L-Tryptophan

Head and neck manifestations of cosinophilia-myalgia syndrome, 90

## Tumor necrosis factor-a

Cytokine regulation of gelatinase production by head and neck squamous cell carcinoma: role of tumor necrosis factoralpha, 203

## Tympanic membrane

- Dendritic cells in normal human tympanic membrane, 803 Epidermal cell migration and healing of tympanic membrane: immunohistochemical study of cell proliferation using
- bromodeoxyuridine labeling, 218
  Immunohistochemical study of transforming growth factor—α expression in normal and perforated tympanic membrane, 793

## Ulcer

Sutton's disease (periadenitis mucosa necrotica recurrens), 301

## Ultrasonography

- Ultrasonographic imaging of sternocleidomastoid tumor of infancy, 323
- Ultrasonography of infected parotid gland in elderly patient: detection of sialolithiasis during acute attack, 736

## Underpressure

In vivo observation with magnetic resonance imaging of middle ear effusion in response to experimental underpressures, 522

## Undifferentiated carcinoma

Nonnasopharyngeal lymphoepitheliomas (undifferentiated carcinomas) of upper aerodigestive tract, 305

## Upper respiratory tract

Glutathione in upper respiratory tract, 117

## Vascular permeability

Vascular permeability of stria vascularis and morphology of endolymphatic sac in two types of experimental endolymphatic hydrops, 210

## Vein

Internal jugular vein patency after functional neck dissection: venous duplex imaging, 532

Internal jugular vein thrombosis, 899

## Velopharyngeal incompetence

Stress velopharyngeal incompetence in adolescent trumpet player, 715

#### Ventilation tubes

Otoacoustic emission measurements in evaluation of immediate effect of ventilation tube insertion in children, 297

#### Vertig

Pneumolabyrinth as computed tomographic finding in poststapedectomy vertigo, 974

## Vestibular system

- Degeneration of vestibular sensory cells caused by ablation of vestibular aqueduct in gerbil ear, 155
- Effect of otitis media on vestibular system in children, 620 Ultrastructural changes in superior vestibular commissural neurons following vestibular neurectomy in cat, 381
- Vestibular and sensory interaction deficits assessed by dynamic platform posturography in patients with multiple sclerosis, 62

## Veterans Affairs Cooperative Studies Program

Multicenter comparative study of cochlear implants: final reports of Department of Veterans Affairs Cooperative Studies Program, suppl 165

#### Virus

Adult respiratory papillomatosis: human papillomavirus type and viral coinfections as predictors of prognosis, 758

## Vocal fol

- Age-related changes of macula flava of human vocal fold, 839 Benign lesions of vocal folds: histopathology and phonotrauma, 698
- Endoscopic vocal fold microflap: three-year experience, 267 Histologic investigation of macula flava of human newborn vocal fold, 556
- Histologic investigation of macula flava of human vocal fold,
- Long-term result of vocal cord augmentation with autogenous
- Stress-strain response of human vocal ligament, 563
- Treatment of vocal fold immobility by glutaraldehyde-crosslinked collagen injection: long-term results, 437
- Vocal cord palsy: possible late complication of radiotherepy for head and neck cancer, 294

## Voice

- Abnormalities in long latency responses to superior laryngeal nerve stimulation in adductor spasmodic dysphonia, 928
- Duration and frequency characteristics of speech and voice following supracricoid partial laryngectomy, 516
- Gender-specific vocal dysfunctions in Parkinson's disease: electroglottographic and acoustic analyses, 197

## Zenker's diverticulum

Endoscopic surgery of Zenker's diverticula. Experience with Dohlman technique, 751

